of a plurality of pick heads. In addition, components 2 can also be fed to the pick stations using parallel feed sources, which also may be either continuous or discontinuous.--

In the claims

Please cancel claims 70 and 71.

Please amend claims 30, 31, 32, 44, 48, 53, 54, 61, 62, 64, 72, 74 and 75 as follows:

(Twice Amended) A component transfer apparatus for transferring a component having leads, said apparatus comprising:

a pick and place machine including a controller connected to a movable pick head and a component feed source, said pick head having access to said component feed source; and

a fiducial alignment detector comprising a receiver directed toward said feed source and connected to said controller, wherein said controller contains instructions which, when executed by said controller, cause said controller to compare a detected fiducial alignment with a predetermined fiducial alignment that is indicative of a predetermined lead alignment.

- 31. (Amended) The apparatus of claim 30, wherein said component feed source comprises a component feed source having a continuous serial track.
- 32. (Amended) The apparatus of claim 31, wherein said component feed source further comprises a plurality of component trays serially disposed along said continuous serial track.

(Amended) A component transfer apparatus for a component having leads, said apparatus comprising:

a pick and place machine having a component feed source and a movable pick head having access to said component feed source;

a fiducal alignment detector directed toward said component feed source; and a controller coupled to said fiducial alignment detector and containing instructions which, when executed by said controller, cause said controller to compare a detected fiducial alignment with a predetermined fiducial alignment that is indicative of a predetermined lead alignment.

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- 48. (Amended) The component transfer apparatus of claim 44, wherein said controller contains instructions which, when executed, cause said controller to affect a control scheme in response to said fiducial alignment comparison.
- 53. (Amended) A component transfer apparatus for a component having leads and a fiducial marker thereon that is indicative of an alignment of the leads, said apparatus comprising:
- a pick and place machine having a component feed source and a movable pick head having access to said component feed source;
 - a fiducial alignment detector directed toward said component feed source; and
- a controller coupled to said detector and containing instructions which when executed by said controller, cause said controller to compare a detected alignment of the fiducial marker with a predetermined fiducial alignment which corresponds to a predetermined lead alignment.
- 54. (Amended) The component transfer apparatus of claim 44, wherein the component includes at least two fiducial markers each having an alignment that is indicative of the predetermined lead alignment.

61. (Amended) A component transfer apparatus for a component having leads, said apparatus comprising:

- a pick and place machine having a component feed source and a movable pick head having access to said component feed source;
- a fiducial alignment detector directed toward said component feed source and having an alignment signal output; and
- a controller coupled to said detector alignment signal output and containing instructions which when executed by said controller, cause said controller to compare a detected fiducial alignment with a predetermined fiducial alignment that is indicative of a predetermined lead alignment.
- 62. (Amended) The component transfer apparatus of claim 61, wherein said alignment signal output is a warning prompt.

(Amended) A component transfer apparatus for a component having leads, said apparatus comprising:

a pick and place machine having a component feed source and a movable pick head having access to said component feed source;

a fiducial alignment detector directed toward said component feed source; and a controller coupled to said detector and containing instructions which, when executed by said controller, cause said controller to compare a detected fiducial alignment with a predetermined fiducial alignment that is indicative of a predetermined lead alignment, and cause said movable pick head to pick a component from said component feed source.

(Amended) A component transfer apparatus for a component having leads, said apparatus comprising:

a pick and place machine having a component feed source and a moveable pick head, wherein said component feed source includes at least one nest that defines an asymmetric recess and said moveable pick head has access to said component feed source;

a fiducial alignment detector directed toward said feed source;

a controller containing instructions which, when executed by said controller, cause said controller to compare a detected fiducial alignment with a predetermined fiducial alignment that is indicative of a predetermined lead alignment and cause said controller to advance said component feed source.

(Amended) A component transfer apparatus for a component having leads, said 74. apparatus comprising:

component conveying means;

means for detecting a fiducial alignment adjacent said component conveying means;

and

means for comparing the detected fiducial alignment with a predetermined fiducial alignment that is indicative of a predetermined lead alignment.

75. (Amended) The apparatus of claim 74, further comprising signal means indicative of whether the detected fiducial alignment corresponds to the predetermined fiducial alignment.